



Kantronics



Upgradeable. Expandable. Open Architecture.

Market opportunity won't wait while you replace old technology with new. That's why the flexible Kantronics FC series grows as your business grows. And since these paging controllers are designed to seamlessly fit into your existing system - today and tomorrow - expensive hardware changes are a thing of the past.

That means no more second guessing the market or paying for protocols you may never use. Start with the languages you need now. As your needs change, paging protocols are easily added through firmware uploads.



**First-rate control.
Surprisingly affordable.**

No matter what level of wireless data control you need - now and in the future - Kantronics can help make your business more profitable with superior control of valuable link and airtime.

From our first RF packet modems in 1982, to our latest line of FLEX, POCSAG and Golay encoding paging controllers, Kantronics has earned a worldwide reputation for superior wireless data controllers - at surprisingly affordable prices. And when your needs change, our firmware upgrades fit nicely into even the tightest budget.

**Superior reliability.
Extreme longevity.**

Through dedication to uncompromising manufacturing standards and quality control methods, the Kantronics brand has won overwhelming respect for building products that deliver superior reliability for customers with demanding wireless information needs.

You see, we believe our customers deserve to have their equipment work the first time, and every time. From our door to yours, we do everything possible to deliver the quality products our customers have come to expect from Kantronics. Combine that with our unique upgradeability and you'll find hardware with an extremely long life. Now that's value.

FC2000

Golay, POCSAG

The replacement controller for the KPC-2000, the FC-2000 offers enhanced functionality and is the logical next step for providers planning a move from analog to digital. Backwards compatible with the KPC-2000, the FC-2000 encodes Golay, POCSAG (512,1200,2400) and, as an option, can be made compatible to binary only PURC™ tone systems. The FC-2000 can be upgraded to the FC-2500 or the FC-3000.

In addition, the FC-2000 offers easy set-up and a variety of linking options for system flexibility. All system configurations and firmware upgrades are easily accomplished from a central site.

Size	14.2 x 4.6 x 1.2"
Rack mount	19" x 1 unit (1-7/8)
Weight	26 oz.
Power	120 mA @ 12 VDC
Supply range	9 to 18 VDC
RAM buffer	1 Megabyte
Destination table	32 addresses
Ports	7
Console port	300-38,400 baud
Aux port	300-38,400 baud
TNPP ports (2)	300-19,200 baud
GPS port	Yes, RS-422 to GPS smart antenna*
TX port 1	2 TX/1 channel, or 1 TX/2 channels
TX port 2	Link input for tone signaling
TNPP modes	Blind or full
Paging modes	Golay, POCSAG
Simulcasting	Yes
Simulcasting control modes	Master-Slave or SYNSIM
Channel sharing	Yes
Alarm Monitoring	Antenna Power, Temperature, DC Supply, Forward Reflective Power
Over the Air Programming	Parameter updates, Program updates

FC2500

Golay, POCSAG, 1600bps FLEX

In addition to the Golay and POCSAG protocols encoded by the FC-2000, the FC-2500 expands your system economically to encode the popular 1600bps FLEX™ protocol.

The FC-2500 offers ease of set-up and a wide variety of linking options for system flexibility. This encoder is backwards compatible with the FC-2000 and can be upgraded to the functionality of the FC-3000. PURC™ tone compatibility is also available. System configuration and firmware upgrades are all easily accomplished from a central site.

Size	14.2 x 4.6 x 1.2"
Rack mount	19" x 1 unit (1-7/8)
Weight	26 oz.
Power	120 mA @ 12 VDC
Supply range	9 to 18 VDC
RAM buffer	1 Megabyte
Destination table	32 addresses
Ports	7
Console port	300-38,400 baud
Aux port	300-38,400 baud
TNPP ports (2)	300-19,200 baud
GPS port	Yes, RS-422 to GPS smart antenna*
TX port 1	2 TX/1 channel, or 1 TX/2 channels
TX port 2	Link input for tone signaling
TNPP modes	Blind or full
Paging modes	Golay, POCSAG, 2-level FLEX
Simulcasting	Yes
Simulcasting control modes	Master-Slave or SYNSIM
Channel sharing	Yes
Alarm Monitoring	Antenna Power, Temperature, DC Supply, Forward Reflective Power
Over the Air Programming	Parameter updates, Program updates

*GPS unit not required at remote sites if TG-1000/GPS unit installed at teleport site.

FC3000

Golay, POCSAG, 2 & 4 Level FLEX

The FC-3000 offers top-of-the-line paging control for the provider with a broad range of needs. In addition to Golay and POCSAG protocols, the FC-3000 expands your system economically to encode the popular 2 and 4 level FLEX™ protocols.

In addition, the FC-3000 is backwards compatible with the FC-2000 and the FC-2500. Like all of our systems, the FC-3000 offers easy set-up and a wide variety of linking options for system flexibility. System configuration is easily accomplished from a central site.

Size	14.2 x 4.6 x 1.2"
Rack mount	19" x 1 unit (1-7/8)
Weight	26 oz.
Power	120 mA @ 12 VDC
Supply range	9 to 18 VDC
RAM buffer	1 Megabyte
Destination table	32 addresses
Ports	7
Console port	300-38,400 baud
Aux port	300-38,400 baud
TNPP ports (2)	300-19,200 baud
GPS port	Yes, RS-422 to GPS smart antenna*
TX port 1	2 TX/1 channel, or 1 TX/2 channels
TX port 2	NA
TNPP modes	Blind or full
Paging modes	Golay, POCSAG, 2 & 4-level FLEX
Simulcasting	Yes
Simulcasting control modes	Master-Slave or SYNSIM
Channel sharing	Yes
Alarm Monitoring	Antenna Power, Temperature, DC Supply, Forward Reflective Power
Over the Air Programming	Parameter updates, Program updates

TG | 1000

The Time Gate Controller provides accurate timing for the FC-2000, the FC-2500 and the FC-3000, placed over a wide geographic area. When placed at a teleport (satellite uplink) site, the unit accepts pages in TNPP format, adds periodic timing control frames in TNPP command format, and passes all frames, renumbered, on to the teleport uplink equipment.

The TG1000 derives accurate time from either the Palisades or Accutime 2000 GPS Smart Antenna (both by Trimble). Long-haul interface allows for remote location of the GPS antenna, up to 3,000 feet.

Thirty-five (35) commands are available to set parameters and the mode of operation. In addition, the console port may be attached to a telephone modem for remote control. Status may be checked and parameters changed while the unit is in its uplink mode without affecting traffic flow.

Size	14.2 x 4.6 x 1.2"
Rack mount	19" x 1 unit (1-7/8)
Weight	26 oz.
Power	450 mA @ 12 VDC
Supply range	9 to 18 VDC
RAM buffer	1 Megabyte
Ports	4
Console port	300-38,400 baud
TNPP ports (2)	300-19,200 baud
GPS port	Yes, RS-422 to GPS smart antenna*
TX port I	2 TX/I channel
TNPP modes	Blind or full
Generates time packets	Yes



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